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UNITED STATES DEPARTMENT OF COMMERCE  
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Paper No. 11

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Oblon Spivak McClelland Maier & Neustadt  
1755 Jefferson Davis Highway  
Fourth Floor  
Arlington VA 22202

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**SPECIAL PROGRAMS OFFICE  
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**OFFICE OF PETITIONS**

In re Application of  
Mats Leijon, et al  
Application No. 09/147,325  
Filed: February 17, 1999  
Attorney Docket No. 9847-0001-  
6X

: RESPONSE TO PETITION UNDER  
: 37 CFR 1.182 SEEKING SPECIAL  
: TREATMENT RELATING TO AN  
: ELECTRONIC SEARCH TOOL, AND  
: DECISION ON PETITION UNDER  
: 37 CFR 1.183 SEEKING WAIVER  
: OF REQUIREMENTS UNDER 37 CFR  
: 1.98

This is a response to a September 29, 1999 Petition Under 37 CFR 1.182, requesting relief from the current requirements for Information Disclosure Statements under 37 CFR 1.98 in view of the need to file multiple applications relating to different aspects of a particular invention. The petition will be treated as two separate petitions: a first petition under 37 CFR 1.182, relating to submission of an electronic search tool and the need to protect proprietary information therein, and a second petition under 37 CFR 1.183, requesting relief from the § 1.98 provision which requires filing paper copies of references being cited in each of many related applications.

A Decision on the petition under 37 CFR 1.182 re the electronic search tool will be issued in due course.

The petition under 37 CFR 1.183 re the submission of 3 paper copies of IDS citations in a holding application is Granted to the extent set forth below.

The Decision is set forth in five parts:

- Part I. Background
- Part II. Petition Under 37 CFR 1.182 - Electronic Search Tool
- Part III. Petition Under 37 CFR 1.183 - Paper copies

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- Part IV. Summary
- Part V. Further Correspondence

### Part 1. Background

The instant national stage application filed under 35 U.S.C. 371 currently contains claims 77-153 with three independent claims. The instant application is one of about 200 U.S. applications (either filed or to be filed) with each U.S. application having as many as 40 corresponding foreign applications (either filed or to be filed), the applications relating to different aspects of the invention. An Information Disclosure Citation List has been submitted that lists 259 U.S. patents, 369 foreign patent documents, and 43 other references for a total of 671 citations. Additionally, a list of related cases has been supplied containing 31 U.S. applications and 52 PCT applications. Paper copies have not been supplied in the related applications of any of the citations or the identified related cases.

37 CFR 1.56(b)(1) requires disclosure to the Office of information that "establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim...." Such disclosure can be made by an Information Disclosure Statement (IDS) in the manner prescribed by 37 CFR 1.97 and 1.98. 37 CFR 1.56(a).

Petitioner asks "[w]hether the information cited in the manner proposed in [petition] Section 3.1.1 ... is a disclosure that is sufficient to meet the requirements of 37 CFR § 1.56." To the extent that this question refers to the content of the disclosure and the particulars of the subject applications, the Office will not answer the question. It is Office practice not to attempt to define how an individual "ensures" compliance with the rule in a particular application. See, e.g., MPEP 2004. Because determinations on this issue require an evaluation of the intent of the party involved, the Office declines to investigate the question. See MPEP 2010. To the extent that Petitioner's question concerns the form in which the disclosure is provided, rule 56 permits a disclosure in a combination of paper and electronic formats.

Petitioner, in addition to meeting the duty set forth in 37 CFR 1.56 to disclose material information, also wishes to disclose to the Office information that may not meet the definition of

materiality as set forth in the rule<sup>1</sup>. Information identified by U.S. or foreign examiners in any of the related U.S. and foreign applications would be cited in each of the related U.S. applications.<sup>2</sup> In addition, Petitioner seeks to submit other information in each of the related U.S. applications, such as all the co-pending U.S. applications that relate to the invention (useful for determining possible double patenting rejections), and foreign search reports. Petition, page 4.

Rather than be required to submit, via a paper copy, each piece of information in each application each time the information is obtained, Petitioner seeks to have:

(1)(a) one application (the instant application) identified as a "holding" application which would contain a complete set of paper copies of references; the paper copies to be submitted in only the "holding" application;

(b) the other related pending U.S. applications, hereafter referred to as the bulk filing applications, will not contain the paper set of reference copies but will contain other information, e.g., a copy of the decision on petition<sup>3</sup> permitting such procedure and a copy of the Form 1449 (or equivalent);<sup>4</sup> and

(2) an "electronic search tool"<sup>5</sup> containing different types of information.

The information supplied via the paper copies would be updated monthly, rather than as received from U.S. and foreign examiners, and cancellation of this arrangement would be an option for both.

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<sup>1</sup>Reference to MPEP 2001.05, Petition, page 3.

<sup>2</sup>Petition, page 3. The present petition requesting relief does not set forth any commitment nor intent by applicant to screen such information for relevancy to each of the U.S. applications in which the information is being cited.

<sup>3</sup>The original of which would be in the instant holding application.

<sup>4</sup>See, Petition under 37 CFR 1.182, *infra*.

<sup>5</sup>See, Petition under 37 CFR 1.183, *infra*.

Petitioner and the Office upon notice. These, and other more specific conditions, are discussed in further detail in regard to the § 1.182 petition, below.

Petitioner has essentially requested relief in two areas: (1) treatment of information in an electronic search tool, to be submitted independent of any particular application, as in compliance with IDS submission requirements for all bulk filing applications, and (2) the ability to provide the paper copies of each reference in an IDS submission in only one of the bulk filing applications (the instant holding application)-as well as two additional sets of copies rather than as is normally required in each application for which the reference (IDS citation) is to be considered. These two areas of relief are independent of each other and drawn toward different regulations. Accordingly, the petition has been treated as two petitions, and the present decision addresses the two areas of requested relief separately. While it is undeniable that relief in both areas would be of benefit to Petitioner, the granting of relief in one area does not, in fact, require the granting of relief in the other. Moreover, in view of the need to further consider the requested relief related to the electronic search tool, deciding the requested relief issues separately permits at this time a partial grant of the original petition.<sup>6</sup>

#### Part II. Petition under 37 CFR 1.182- Electronic Search Tool

The issues involving the electronic search tool are more extensive than those relating to the requirement for paper copies in each bulk filing application and more time is needed to fully consider and address them. Accordingly, the petition under § 1.182 shall not be decided at this time and is not treated in the instant decision on the § 1.183 petition although it will continue to be considered, with a decision rendered in due course.

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<sup>6</sup>It is recognized that petitioner believes the issues presented by the petition may not be decided independent of one another as both the paper copy issue and the electronic search tool issue represent the most complete solution to duty of disclosure issues under 37 CFR 1.56, Petition, fn. 5.

Part III. Petition Under 37 CFR 1.183 - Paper Copies

The submitted petition fee of \$130 will be treated as the \$ 1.183 petition fee.

37 CFR 1.98 requires that any information disclosure statement provide a copy of all patents, publications or other information submitted under 37 CFR 1.97 for consideration by the Office. 37 CFR 1.97 notes that information disclosure statements are considered in regard to the application in which they are filed. See also MPEP 609, page 600-102, right-hand column, and page 600-103, left-hand column.

Paper copies: Petitioner notes that the instant application is one of 200 bulk filing applications that will be or have been filed in regard to a particular technology. Accordingly, Petitioner requests that individual paper copies of each reference, brought to the attention of the Office in regard to any one individual application, not be required to be submitted in each such application. Rather, it is requested that three complete sets of paper copies be permitted to be filed: one set for the instant application which will be designated as a holding application; one set to be used to establish new subclasses for the technology; and one set to be used as a reference set should either or both of the other two sets become corrupted (Petition, pages 6 and 7).<sup>7</sup>

Once past the initial IDS submission, it is proposed that applicant would update the IDS submissions once a month, rather than every time a new reference is found, although the time frames required by § 1.97 would have to be complied with, which may mean that submissions may occur more frequently than once a month.

Form 1449: In addition to submission of the three sets of paper copies in the instant "holding" application, the petition proposes that each of the bulk filing applications would receive a Form 1449 listing the reference citations (Petition, page 7) and the Form 1449 (in each of the bulk filing applications) would be updated, pursuant to the time requirements of § 1.97, each time the three sets of paper copies are updated. The petition is

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It would presumably up to the Technology Center to determine how best to store the reference set and how it is to be accessed.

silent as to whether other types of information that may be submitted in the holding application IDS, e.g., concise explanations of foreign language documents under § 1.98(a)(3), would also be supplied in all the bulk filing applications.

Suspension of action: In view of the use of the instant application as a holding application (to contain a complete set of paper copies of reference citations, which can be consulted by the examiner when examining any of the other bulk filing applications that have a Form 1449 but not the paper copies), the petition states that upon allowance of the instant holding application the right is reserved to file a petition to suspend action in the instant application so that the application can remain as the holding application (Petition, page 7). Alternatively, upon agreement of the Assignee and a Director of the Technology Center involved, an alternate application may be designated as the holding application.

New subclasses: The petition envisions an affirmative duty on the Technology Center to establish new subclasses that will include each of the references submitted during the course of prosecution of the bulk filing applications.<sup>5</sup> In addition, the Office is to agree that "[e]xaminers will be required to search these newly created subclasses" (from submissions by the Assignee and later by others) "as part of the routine patent prosecution process." Petition, page 8.

Termination: Petitioner seeks a right of termination,<sup>9</sup> which is to be a mutual option. Termination is to be by written notice, to the attorney of record if the Office terminates and the filing of a termination request and by contacting the Director of TC 2800 if applicant terminates. Conventional IDS procedures would begin three months after notice of termination.

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<sup>5</sup>The new subclasses will later be supplemented by references supplied by others who may file applications related to the same technology.

<sup>9</sup>Although termination is discussed under a section related to licensing of the electronic search tool and the petition generally (Petition, pages 10 and 11), it is presumed that Petitioner intends to have the termination provision apply to the waiver of paper copies if that alone is granted.

37 CFR 1.183 provides relief for extraordinary situations, when justice requires suspension of any requirement of the regulations which is not a requirement of the statutes. The instant petition urges that not only would applicant be spared the necessity of submitting duplicative paper copies of references in 200 applications, but also the Office would benefit from not having to handle and store the duplicative sets of copies. While there may be some negative effects from the Office's point of view in terms of making the copies available to different examiners handling the various applications,<sup>10</sup> on balance, there is seen to be sufficient benefit to justify waiver in this instance.

Accordingly, the petition under 37 CFR 1.183 is granted to the extent indicated and under the terms and conditions as are set forth below.<sup>11</sup>

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<sup>10</sup>Even though the technology of the applications may be related, the specific claims of the applications may require different classifications of the applications and the quantity of applications would dictate the need for more than one examiner to timely examine the applications.

<sup>11</sup>The waiver being granted in this instance is not intended to set a general precedent where there is more than one application containing related subject matter. The Office, however, intends to use the instant grant to study whether the opportunity for waiver can be extended to other applicants in similar circumstances, and whether a more general program can be announced. One factor that will be considered is the extent to which relevant information (that may not be necessarily required by § 1.56(b) but which would nonetheless be useful to the examiner, e.g., § 1.56(a)(1) and (2)), is submitted rather than huge dumps of nonrelevant or marginally relevant information.

It is noted that while the petition only refers to the submission of citations that are made by both U.S. and foreign examiners, the term "include" is used (Petition, page 2) which is open ended. The Petition states that it is the intention to submit a copy of every reference identified both by U.S. examiners in the 200 U.S. applications and by foreign examiners in as many as 40 corresponding foreign applications for each U.S. application (Petition, page 3). It has not been stated whether the current 671 reference citations currently of record represent only those citations made by U.S. and foreign examiners or whether they include citations from other sources, such as a

The § 1.98(a)(2) requirement for (the submission of) a copy of each IDS citation in a bulk filing application will be waived in the bulk filing application provided that the following 8 conditions are complied with:

- 1) Three paper copies of each IDS citation are or have been submitted to the Office;
- 2) The (bulk filing) application for which waiver of § 1.98(a)(2) is desired refers to the instant holding application, such as by a claim of priority under 35 U.S.C. 120, or as containing related technology;
- 3) The information is or has also been cited in the holding application;

Note: Applicant is not required to cite in each bulk filing application every item of information that is cited in the instant holding application. Items should be cited in each bulk filing application on the basis of relevancy and materiality to the particular claims in the bulk filing application and what each piece of information teaches.

A waiver is not granted (for the requirement to supply a paper copy of an IDS citation in another bulk filing application) where the citation is not, or has not been, made in the instant holding application.

- 4) A copy of this Decision is filed in the bulk filing application;
- 5) Explanatory information related to a particular citation, such as the concise explanation of a foreign language reference under § 1.98(a)(2), once submitted in the holding application must be supplied in each bulk filing application where the citation is made.
- 6) The Office accepts and specifically reserves the right to terminate the waiver grant in regard to § 1.98(a)(2) without provision of reasons. In such event, a two month period will be given where paper copies would

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preexamination search or third party citations. See also Petition, page 19.



have to be supplied in all applications where new citations are made. Should a termination of the waiver be desired by the Office, the Office will provide written notice to the correspondence address of record. Termination by applicant may be by returning to compliance with § 1.98(a)(2) without formal notice thereof and no transition/continuing period after termination is required.

- 7) The grant of the § 1.183 petition re § 1.98(a)(2) does not indicate that the Office would favorably treat a petition to suspend action under § 1.103(a) should the instant application be allowed. Issuance of the instant application as a patent is not seen to terminate its usefulness either: (1) as a holding application for references by examiners working on other related applications,<sup>12</sup> or (2) as a vehicle for the storage of references to be cited even after the patent issues (35 U.S.C. 301, 37 CFR 1.501, and MPEP 2202). Should the instant application become abandoned, the issue of continued introduction of paper copies of new citations could be taken up at that time. The Office, however, may consider suspending or taking other appropriate action in the instant holding application in the event the holding application is allowed, if it is in the best interest of the Office to do so.
- 8) The Office has established a series of Official Digests in Class 174 based on the technology represented by the instant invention (a classification schedule thereof is attached). As is the case with all Digests, their usefulness will be continually evaluated. The Office will place the holding application's references in the Digests as they are determined to require such placement and as new ones are brought to the attention of the Office either by Petitioner or a third party. A search of the Digests themselves or what they contain (such as the holding application or reference copy sets), either in paper copy or electronic form, will be

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<sup>12</sup>The patent file can be kept in the Technology Center for easy reference, or rather than rely upon the patent, either the reference set of paper copies could be utilized, or the Office may decide to rely on the Digests being created.

conducted when mandatory based on the classification of the claims, or when deemed advisable - on a case by case basis.

Part IV. Summary

A Decision on the Petition under 37 CFR 1.182, drawn toward submission of the electronic search tool, will be acted upon in due course when all outstanding issues are resolved.

The petition under 37 CFR 1.183 agreeing to supply three copies of each IDS citation in a holding application and requesting waiver of the paper copy requirement for submission in every related application under § 1.98(a)(2) is granted, however, the following is not agreed to:

- the grant of a future petition under 37 CFR 1.103 for suspension from publication of the holding application should it be allowed,
- the required search of subclasses from one of the three sets of paper copies and placement of one of the other sets of paper copies therein, and
- any termination provision more than two months (rather than the three months that the petition sets forth) from notice of termination.

Part V. Further Correspondence

Further correspondence with respect to this matter should be addressed to Hiram H. Bernstein, Senior Legal Advisor, Special Program Law Office, as follows:

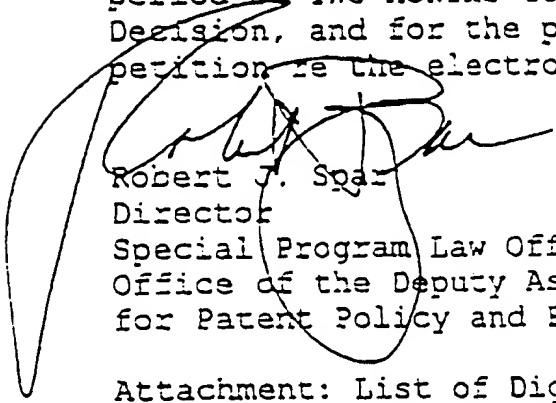
By mail: Commissioner of Patents and Trademarks  
Box DAC  
Washington, D.C. 20231

By FAX: (703) 308-6916  
Attn: Special Program Law Office

By hand: Special Program Law Office  
Crystal Plaza Four, Suite 3C23  
2201 South Clark Place  
Arlington, VA 22202

Telephone inquiries specific to this matter should be directed to Mr. Bernstein at (703) 305-9285.

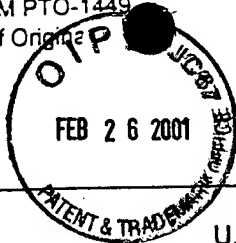
The instant application will be retained by this Office: for a period of TWO MONTHS to await any response to the instant Decision, and for the purpose of continuing review of the \$ 1.182 petition re the electronic search tool.



Robert J. Spar  
Director  
Special Program Law Office  
Office of the Deputy Assistant Commissioner  
for Patent Policy and Projects

Attachment: List of Digests 13-33

- Digest 13 HIGH VOLTAGE CABLE (E.G., ABOVE 10KV, CORONA PREVENTION, ETC.)
- Digest 14 . Having a particular cable application (e.g., winding, etc.)
- Digest 15 .. In a power generation system (e.g., prime-mover dynamo, generator system, etc.)
- Digest 16 .. In a motive power system (e.g., electric motor control system, etc.)
- Digest 17 .. In an electric power conversion, regulation, or protection system
- Digest 18 .. In a power distribution network
- Digest 19 .. In a dynamo-electric machine
- Digest 20 ... Stator
- Digest 21 ... Rotor
- Digest 22 ... Winding, per se
- Digest 23 .. In a circuit breaker, relay, or switch
- Digest 24 .. In an inductive device (e.g., reactor, electromagnet, etc.)
- Digest 25 ... Transformer
- Digest 26 . Having a plural-layer insulation system
- Digest 27 .. Including a semiconductive layer
- Digest 28 ... Plural semiconductive layers
- Digest 29 . Having a semiconductive layer
- Digest 30 . Having insulation with a particular dimension or geometry
- Digest 31 . Having a shield or metallic layer
- Digest 32 . Having means for cooling
- Digest 33 . Method of cable manufacture, assembly, repair, or splicing



Docket Number:

Application Number

Applicant(s):

Filing Date:

Group Art Unit:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	1	US1304451	5/20/19	L. H. Burnham			
	2	US1418856	6/2/22	Robert B. Williamson			
	3	US1481585	1/22/24	James Robert Beard			
	4	US1728915	9/24/29	E. P. Blankenship et al			
	5	US1742985	1/7/30	L. H. Burnham			
	6	US1747507	2/18/30	Robert B. George			
	7	US1756672	4/29/30	John M. Barr			
	8	US1762775	6/10/30	Albert G. Ganz			
	9	US1781308	11/11/30	Mauritz Vos			
	10	US1861182	5/31/32	F. Hendey et al			
	11	US1974406	9/25/34	Vincent G. Apple et al			
	12	US2006170	6/25/35	Gustof A. Juhlin			
	13	US2206856	7/2/40	W. E. Shearer			
	14	US2217430	10/8/40	R. A. Baudry			
	15	US2241832	5/13/41	H.W. Wahlquist			
	16	US2251291	8/5/41	L. O. Reichelt			
	17	US2256897	9/23/41	W. F. Davidson et al			
	18	US2295415	9/8/42	G.R. Monroe			
	19	US2415652	2/11/47	R. B. Norton			
	20	US2424443	7/22/47	B. C. Evans			
	21	US2436306	2/17/48	J. S. Johnson			
	22	US2446999	8/17/48	G. Camilli			
	23	US2459322	1/18/49	G. T. Johnston			
	24	US2462651	2/22/49	H. W. Lord			
	25	US2498238	2/21/50	L. J. Berberich et al			
	26	US2721905	10/25/55	D. J. Monroe			
	27	US2780771	2/5/57	B. Lee			
	28	US2846599	8/5/58	H. H. McAdam			
	29	US2885581	5/5/59	P. T. Pileggi			
	30	US2943242	6/28/60	E. Schaschl et al			
	31	US2947957	8/2/60	J. C. Spindler			
	32	US2959699	11/8/60	J. W. Smith et al			
	33	US2962679	11/29/60	J. L. Stratton			
	34	US2975309	3/14/61	M. Seidner			
	35	US3098893	7/23/63	R. A. Pringle et al			
	36	US3130335	4/21/64	L. J. Rejda			
	37	US3143269	8/4/64	J. Van Eldik			
	38	US3157806	11/17/64	E. Wiedemann			
	39	US3158770	11/24/64	A. D. Coggeshall et al			
	40	US3268766	8/23/66	S. E. Amos			
	41	US3304599	2/21/67	R. W. Nordin			
	42	US3354331	11/21/67	H. L. Broeker et al			
	43	US3365657	1/23/68	James Webb			
	44	US3372283	5/5/68	A. A. Jaecklin			

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ALTERNATE FORM PTO-1449  
(Corrected Listing of Original List)

45	US3418530	1/24/68	W. H. Cheever			
46	US3435262	1/25/69	R. B. Bennett et al			
47	US3437858	4/8/69	R. B. White			
48	US3444407	5/13/69	E.S. Yates			
49	US3447002	5/27/69	C. Ronnevig			
50	US3484690	12/16/69	H. Wald			
51	US3560777	2/2/71	W. Moeller			
52	US3593123	7/13/71	A. C. Williamson			
53	US3631519	12/28/71	H. Salahshourian			
54	US3644662	2/22/72	H. Salahshourian			
55	US3651402	3/21/72	P. H. Leffmann			
56	US3670192	6/13/72	A. A. Andersson et al			
57	US3675056	7/4/72	H. G. Lenz			
58	US3684821	8/15/72	M. Miyauchi et al			
59	US3716652	2/13/73	G. E. Lusk et al			
60	US3716719	2/13/73	H. W. Angelery et al			
61	US3727085	4/10/73	P. B. Goetz et al			
62	US3740600	6/19/73	B. Turley			
63	US3746954	7/17/73	A. Myles set al			
64	US3758699	9/11/73	G. Lusk et al			
65	US3778891	12/18/73	R. Amasino et al			
66	US3781739	12/25/73	L. Meyer			
67	US3792399	2/17/74	W. McLyman			
68	US3801843	4/2/74	J. Corman et al			
69	US3809933	5/7/74	H. Sugawara et al			
70	US3881647	5/6/75	B. Wolfe			
71	US3884154	5/20/75	F. Marten			
72	US3891880	6/24/75	H. Britsch			
73	US3902000	8/26/75	E. Forsyth et al			
74	US3932779	1/13/76	A. Madsen			
75	US3932791	1/13/76	J. Oswald			
76	US3943392	3/9/76	J. Keuper et al			
77	US3947278	3/30/76	K. Youtsey			
78	US3965408	6/22/76	H. Higuchi et al			
79	US3968388	7/6/76	D. Lambrecht et al			
80	US3971543	7/27/76	W. Shanahan			
81	US3974314	8/10/76	H. Fuchs			
82	US3995785	12/7/76	R. Arick et al			
83	US4001616	1/4/77	P. Lonseth et al			
84	US4008409	2/15/77	R. Rhudy et al			
85	US4031310	6/21/77	L. Jachimowicz			
86	US4039740	8/2/77	Z. Iwata			
87	US4041431	8/9/77	G. Enoksen			
88	US4047138	9/6/77	R. Steigerwald			
89	US4064410	12/20/77	R. Peterson			
90	US4084307	4/18/78	G. Schultz et al			
91	US4085347	4/18/78	K. Lichius			
92	US4088953	5/9/78	S. Sarian			
93	US4091138	5/23/78	Takagi et al			
94	US4091139	5/23/78	J. Quirk			
95	US4099227	7/4/78	J. Liptak			

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Date

Considered

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96	US4103075	12/5/78	E. Adam		
97	US4106069	8/8/78	J. Trautner et al		
98	US4107092	8/15/78	R. Carnahan et al		
99	US4109098	12/22/78	M. Olsson et al		
100	US4121178	10/17/78	H. Platzer		
101	US4134036	1/9/79	G. Curtiss		
102	US4134055	1/9/79	M. Akamatsu		
103	US4134146	1/9/79	E. Stetson		
104	US4149101	4/10/79	A. Lesokhin et al		
105	US4152615	5/1/79	R. Calfo et al		
106	US4160193	7/3/79	A. Richmond		
107	US4164672	8/14/79	C. Flick		
108	US4164772	8/14/79	N. Hingorani		
109	US4177397	12/4/79	John Lill		
110	US4177418	12/4/79	K. Brueckner et al		
111	US4184186	1/15/80	P. Barkan		
112	US4200817	4/29/80	T. Bratoljic		
113	US4200818	4/29/80	C. Ruffing et al		
114	US4206434	6/3/80	A. Hase		
115	US4207427	6/10/80	G. Beretta et al		
116	US4207482	6/10/80	C. Neumeyer et al		
117	US4208597	6/17/80	A. Mulach et al		
118	US4229721	10/21/80	W. Koloczec et al		
119	US4238339	12/9/80	G. Khutoretsky et al		
120	US4239999	12/16/80	A. Vinokurov et al		
121	US4245182	1/13/81	H. Aotsu et al		
122	US4246694	1/27/81	H-G Raschbichler et al		
123	US4255684	3/10/81	W. Mischler et al		
124	US4258280	3/24/81	M. Starcevic		
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127	US4281264	7/28/81	T. Keim et al		
128	US4307311	12/22/81	A. Grozinger		
129	US4308476	12/29/81	R. Schuler		
130	US4308575	12/29/81	A. Mase		
131	US4310966	1/19/82	O. Brietenbach		
132	US4317001	2/23/82	D. Silver et al		
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135	US4330726	5/18/82	D. Albright et al		
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137	US4341989	7/27/82	T. Sandberg et al		
138	US4347449	8/31/82	J. F. Beau		
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143	US4367425	1/4/83	M. Mendelsohn et al		
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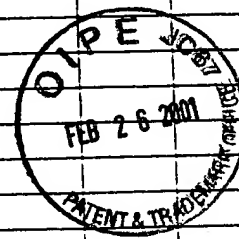
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152	US4425521	1/10/84	G. Rosenberry, Jr. et al
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154	US4429244	1/31/84	P. Nikiten et al
155	US4431960	2/14/84	O. Zucker
156	US4443725	4/17/84	S. Derderian et al
157	US4470884	9/11/84	D. Carr
158	US4473765	9/25/84	T. Butman, Jr. et al
159	US4475075	10/2/84	R. Munn
160	US4477690	10/16/84	P. Nikitin et al
161	US4481438	11/6/84	T. Keim
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166	US4523249	6/11/85	S. Arimoto
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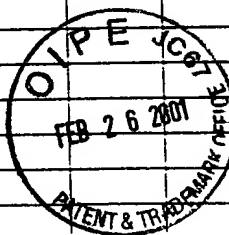
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202	US4918347	4/17/90	Y. Takaba		
203	US4918835	4/24/90	H. Wcislo et al		
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218	US5097241	3/17/92	E. Smith et al		
219	US5097591	3/24/92	M. Wcislo et al		
220	US5111095	5/5/92	J. Hendershot		
221	US5124607	6/23/92	J. Rieber et al		
222	US5136459	8/4/92	D. Fararooy		
223	US5140290	8/18/92	H. Dersch		
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225	US5168662	12/8/92	K. Nakamura et al		
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232	US5321308	6/14/93	A. Johncock		
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234	US5325008	6/28/94	J. Grant		
235	US5327637	7/12/94	O. Britenbach et al		
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237	US5343139	8/30/94	L. Gyugyi et al		
238	US5355046	10/11/94	K. Weigelt		
239	US5365132	11/15/94	J. Hann et al		
240	US5387890	2/7/95	P. Estop et al		
241	US5397513	3/14/95	C. Steketee, Jr.		
242	US5400005	3/21/95	H. Bobry		
243	US5452170	9/19/95	S. Ohde et al		
244	US5468916	11/21/95	M. Litenas et al		
245	US5500632	3/19/96	J. Halser, III		
246	US5510942	4/23/96	L. Bock et al		
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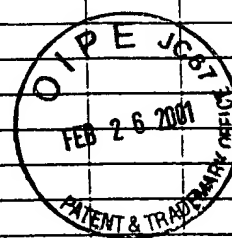
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	249	US5550410	8/27/96	C. Titus			
	250	US5583387	12/10/96	M. Takeuchi et al			
	251	US5587126	12/24/96	C. Steketee, Jr.			
	252	US5598137	1/28/97	F. Alber et al			
	253	US5607320	3/4/97	J. Wright			
	254	US5612510	3/18/97	N. Hildreth			
	255	US5663605	9/2/97	P. Evans et al			
	256	US5672926	9/30/97	J. Brandes et al			
	257	US5689223	11/18/97	A Demarmels et al			
	258	US5807447	9/15/98	I. Forrest			
	259	US681800	9/3/01	O. Lasche			
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## FOREIGN PATENT DOCUMENTS

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	1	AT399790	7/25/95	Austria		
	2	BE565063	2/23/57	Belgium		
	3	CH391071	4/30/65	Switzerland		
	4	CH534448	2/28/73	Switzerland		
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	6	CH657482	8/29/86	Switzerland		
	7	DD137164	8/15/79	Germany DDR		
	8	DD138840	11/21/79	Germany DDR		
	9	DE1638176	6/24/71	Germany		
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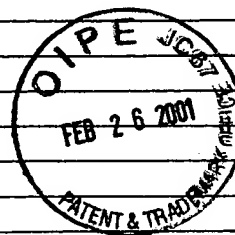
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69	EP0120154	10/3/84	European		
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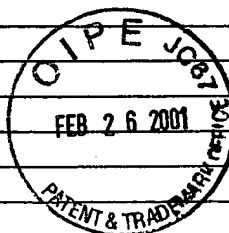
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94	EP0571155	11/24/93	European		
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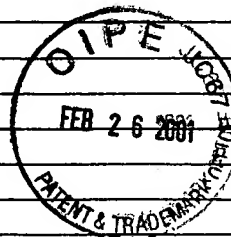
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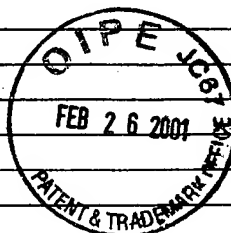
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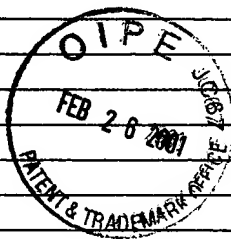
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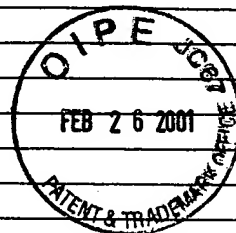
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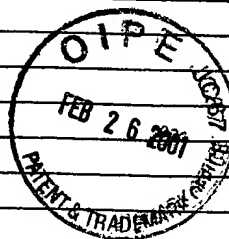
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3	OD003	Elkraft teknisk Handbok, 2 Elmaskiner; A. Alfredsson et al: 1988, pp 121-123
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5	OD005	Ohne Tranformator direkt ins Netz; Owman et al, ABB, AB; 2/8/99; pp48-51
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9	OD009	Problems in design of the 110-500kV high-voltage generators; Nikiti et al: World Electrotechnical Congress: 6/21-27/77; Section 1. Paper #18
10	OD010	Manufacture and Testing of Roebel bars; P. Marti et al; 1960, Pub.86, Vol 8, pp 25-31
11	OD011	Hydroalternators of 110 to 220 kV Elektrotechn. Obz., Vol. 64, No. 3, pp132-136 March 1975; A. Abramov

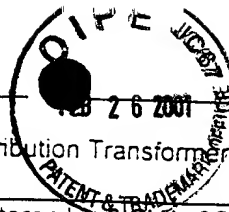
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12	OD012	Design Concepts for an Amorphous Metal Distribution Transformer, E. Boyd et al; IEEE 11/84
13	OD013	Neue Wege zum Bau zweipoliger Turbogeneratoren bis 2 GVA, 60kV Elektrotechnik und Maschinenbau Wien Janner 1972. Heft 1, Seite 1 -11; G. Aichholzer
14	OD014	Optimizing designs of water-resistant magnet wire; V. Kuzenev et al; Elektrotehnika, Vol 59, No 12, pp35-40, 1988
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16	OD016	Direct Generation of alternating current at high voltages; R. Parsons; IEEE Journal, Vol 67 #393, 1/15/29; pp1065-1080
17	OD017	Stopfbachslose Umwalzpumpen- ein wichtiges Element im modernen Kraftwerkbau; H. Holz. KSB 1, pp13-19, 1960
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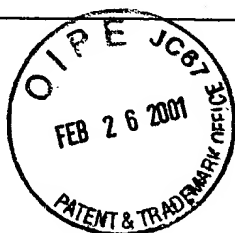
Examiner	Date
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	41	OD042	Cloth-transformer with divided windings and tension annealed amorphous wire; T. Yammamoto et al; IEEE Translation Journal on Magnetics in Japan Vol 4, No. 9 Sept. 1989
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Subtotal	43		

GRAND TOTAL	671		
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ALTERNATE FORM PT 49

Issue 2: dated 02/21/00

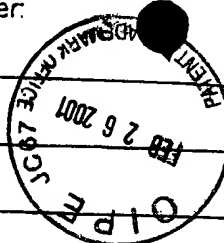
Docket Number:

Application Number

Applicant(s):

Filing Date:

Group Art Unit:



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	1	US 4,292,558	9/29/1981	Carl Flick et al			
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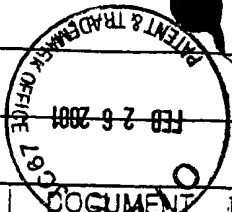
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ALTERNATE FORM PTO-1449

Issue2: dated 02/21/00



FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
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